APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/647,841	10/05/2000	Ilga Winicov	5475-US	4329

7590   03/22/2002

Richard R. Mybeck
Post Office Box 5540
Scottsdale, AZ 85261-5540

EXAMINER
BAUM, STUART F

ART UNIT	PAPER NUMBER
1638	

DATE MAILED: 03/22/2002

7

Please find below and/or attached an Office communication concerning this application or proceeding.

UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO./ CONTROL NO. 09/647841	FILING DATE 2/17/01	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION Winicov	ATTORNEY DOCKET NO. 5475-US

EXAMINER
Stuart Baum

ART UNIT	PAPER
1638	7

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents

The communication filed **Feb. 19, 2002** is not fully responsive to the Office communication mailed **2 January 2002** for the reason(s) set forth on the attached Notice To Comply With The Sequence Rules or CRF Diskette Problem Report. Applicant must comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825) before the application can be examined under 35 U.S.C. §§ 131 and 132.

Since the reply appears to be bona fide attempt to comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825), applicant is given a TIME PERIOD of ONE (1) MONTH from the mailing date of this communication within which to correct the deficiency so as to comply with the sequence rules (37 CFR 1.821 - 1.825) in order to avoid abandonment of the application under 37 CFR 1.821(g). EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

Any inquiry concerning this communication should be directed to Examiner Stuart Baum, Art Unit 1638, whose telephone number is (703) 305-6997.

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (703) 308-0196.

ELIZABETH F. McELWAIN
PRIMARY EXAMINER
GROUP 1800

PTO-90C (Rev.3-98)

Notice to Comply	Application No.	Applicant(s)
	O9/647-841	Winicov
	Examiner	Art Unit
	Stuart Baum	1638

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

☐ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).

☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).

☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).

☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."

☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).

☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).

☒ 7. Other: Raw Sequencing listing Report

Applicant Must Provide:

☒ An initial or (substitute) computer readable form (CRF) copy of the "Sequence Listing".

☒ An initial or (substitute) paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.

☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216
For CRF Submission Help, call (703) 308-4212
PatentIn Software Program Support
    Technical Assistance.....................................703-287-0200
    To Purchase PatentIn Software........................703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY

A reply to a notice to comply with the sequence rules should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office.

Please direct all replies to the United States Patent and Trademark Office via one (1) of the following:
1. Electronically submitted through EFS-Bio
(<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, EFS Submission
User Manual - ePAVE)

2. Mailed to:
U.S. Patent and Trademark Office
Box Sequence, P.O. Box 2327
Arlington, VA 22202

3. Mailed by Federal Express, United Parcel Service or other delivery service to:
U. S. Patent and Trademark Office
2011 South Clark Place
Customer Window, Box Sequence
Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202

4. Hand Carried directly to the Customer Window at:
2011 South Clark Place
Crystal Plaza Two, Lobby, Room 1B03, Box Sequence,
Arlington, Virginia 22202

Does Not Comply
Corrected Diskette Needed

1600

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           RAW SEQUENCE LISTING              DATE: 03/06/2002
           PATENT APPLICATION: US/09/647,841  TIME: 12:47:31

           Input Set : A:\EP.txt
           Output Set: N:\CRF3\03062002\I647841:raw
```

```
        1 <110> APPLICANT: Winicov, Ilga
W-->    2 <120> TITLE OF INVENTION: Expression Of Alfin1 And Methods For Producing Transgenic
Plants
W-->    3       Having Increased Root Growth And Root Specific Gene Activation
W-->    4 <130> FILE REFERENCE: 5475-US
W-->    5 <140> CURRENT APPLICATION NUMBER: US 09/647,841
        6 <141> CURRENT FILING DATE: 2000-10-05
        7 <150> PRIOR APPLICATION NUMBER: PCT/US99/07902
W-->    8 <151> PRIOR FILING DATE: 1999/04/08
E-->    9 <160> NUMBER OF SEQ ID:              ← mandatory field please
E-->    9 <160> NUMBER OF SEQ ID NOS:            fill in the number of sequences.
       10 <170> SOFTWARE: Microsoft Word 97
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ERRORED SEQUENCES

                                             change to DNA

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W-->   11 <210> SEQ ID NO: 1
       12 <211> LENGTH:
E-->   13 <212> TYPE: cDNA                    must have sequence ID No. Here.
       14 <213> ORGANISM: Alfin1
E-->   15 <400> SEQUENCE: 0
       16 TACCAATTTAAAATTATATATATATATATATATATATATATATATAATAATTTTTATT -1441   remove all
       17 ATATTTATTACGTTGATGGTAAAAAAATAAATATAATTTGTTACCATTTAAAAGTCATAA -1381   dashes before
       19 ATATAGTACAATCCAACCCTTTGAGAGGTTAATGTGTGTGCGGATTTTCTAGATAAACAA -1321   sequence numbering
       21 GGTGCCATTCACGATTCTTCTTGGTGCAGCTTGGAGAACCCTATCCTGGGCTTGGAAGAT -1261
       23 TTACTTCTTGTTGATGCTTCTAGAGTACAGCTCCTTAAGGCTGTAGTCTAGTTTTTTTTT -1201
       25 TCATCCTTCCTACCAAAAAAAAAAAAGTCATAAATATAGTTTATACATATAACTTTAATA -1141
       27 AAAATAAAAAAATTTCATCCCTAAAAAACATAGTAGAAATTTCATAAAAAAAATATTGTTT -1081
       29 ATAATTTACATGCCGTTACGGTAAAAAATGGATAAATTGGGTATGGAGTACTAGTAATTA -1021
       31 ATAAGGTTCATTGGTTAAAAAAACTAAAAAATAATTTCTCTCCTGATTTATATGAAATGA - 961
       33 CATTTTTTTGGAACATGAAGGGTATTGATTTTTACCACCTTTTACACCTTTCAAAGCCAT - 901
       35 TCAAGGATGAATATAGATTTTTGGGCGATCAAACACAAGAATCATTACGATAACATGCTT - 841
       36                              TfiI                                       remove
       37 TGGAACACACACATGCTTAAATTAATGGTTGGAGTATCAAATTTTAAAATATTGTTGTCA - 781
       38 Alfin1*/myc  — remove  myb*  — remove
       39 ATACATACCCCGTCAATCTTCTTTTTTTTTACCCAATAAACATTGAAATGTTGCTTCTTTC - 721
       40 Alfin1*?  — remove
       41 GTTAAGCATAAAAACATCAAAGTCTAGCAAAATGTTGTTTTTGCGATGACACATTTCATA - 661
       43 TAGTTTAAAGGATGCATGATTCGATTACAAAAACAAAATACTAATAATTCTAGCACAAAG - 601
       44                    TfiI  — remove
       45 TTTAAAGCAAGATTATAAAGCTTCATAGCATGTGGATATTCATTTAGAAATATAGATTAG - 541
       46                    myc  — remove
       47 ATTGCCCCTTTCATCACGGGTCTAACAGCACCACTTGTCACTACATGTCAAAAATGTCCT - 481
       48                myb/Alfin1*/myc  — remove.
```

```
49 CTAGTACAGCACCGCTTTTTACTTGATTCCCCTTGTCCATGCATGAAAAAAATCAAAACA - 421
50     Alfin1                 Tfi1      — remove all material between lines.
51 ATATTTGGACACACAAACTTGCCCCCACTTTCCTTTTTCTTTCTGCCCTAGTTTGTTTGA - 361
52                  Alfin1*
53 GACTCATATTGATCAAATTTGGCTATGAATTCAAACAAAAAATTCACTCTACCCATTGCA - 301
54                                                        myc
55 TGTGTGGGGCCCACATATAAATCCATGAAGGATTTCAATGTCCATCCAAGTCAATGATTC - 241
56 Alfin1                                              Tfi1
57 AACATATATAACATTGAATAATTTAATTCCAATTTGCAGTATTATGATTTAGATTGATTG - 181
59 CTGCAATACGGTCCGTGAATGTGATCACTCACGAGAAAGAGGTATCAAAATTTCAAGGTA - 121
61 TTTTATTTATTTTTAACAAATAAAATTTCAAGGTCTTGTTCACCATATAAACCTCCTCAC -  61
63 TCACACCCAATTCTCTTAAGTGTATGACTTCATAGTACACTACACTACTTTCTTTGAAAC -   1
65 ATGGCTAACTATGCTCTAGCCAATGTTTTCATCCTTCTCTTGAACTTGAGTACCTTACTC +  60
66 Met
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VERIFICATION SUMMARY   DATE: 03/06/2002
PATENT APPLICATION: US/09/647,841   TIME: 12:47:32

Input Set : A:\EP.txt
Output Set: N:\CRF3\03062002\I647841.raw

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L:4  M:283 W: Missing Blank Line separator, <130> field identifier
L:5  M:283 W: Missing Blank Line separator, <140> field identifier
L:8  M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:9  M:283 W: Missing Blank Line separator, <160> field identifier
L:9  M:212 E: (34) Invalid or duplicate Sequence ID Number, Number Of Sequences Unknown
L:11 M:283 W: Missing Blank Line separator, <210> field identifier
L:13 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:15 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:1 differs:0
L:15 M:283 W: Missing Blank Line separator, <400> field identifier
L:9  M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (0) Counted (1)
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